

Table 13: Dairy Cluster - Summary of UNL Pharmaceutical Results					
LG-04, WW-12, WW-15, and WW-16 had no detected Pharmaceuticals					
Location	Type of Sample	Units	Detection Limits	Chlorotetracycline	Erythromycin
WW-06	Up-gradient Well	ug/L	0.002 ug/L		
WW-07	Supply Well - DeRuyter	ug/L	0.002 ug/L		
WW-08	Supply Well - D&A	ug/L	0.002 ug/L		
WW-09	Supply Well - Cow Palace	ug/L	0.002 ug/L		
WW-10	Supply Well - Bosma	ug/L	0.002 ug/L		
LG-05	Lagoon - DeRuyter	ug/L	0.002 ug/L	0.075(J)	0.916(J)
LG-06	Lagoon - DeRuyter	ug/L	0.002 ug/L		
LG-07	Lagoon - D&A	ug/L	0.002 ug/L		
LG-08	Lagoon - D&A	ug/L	0.002 ug/L		
LG-09	Lagoon - D&A	ug/L	0.002 ug/L		1.87(J)
LG-10	Lagoon - Cow Palace	ug/L	0.002 ug/L	0.079(J)	
LG-11	Lagoon - Cow Palace	ug/L	0.002 ug/L		2(J)
LG-12	Lagoon - Cow Palace	ug/L	0.002 ug/L		1.11(J)
LG-13	Lagoon - Bosma	ug/L	0.002 ug/L		1.3(J)
LG-14	Lagoon - Bosma	ug/L	0.002 ug/L		
LG-15	Lagoon - Bosma	ug/L	0.002 ug/L		4.35(J)
WW-11	Down-gradient well	ug/L	0.002 ug/L		
WW-13	Down-gradient well	ug/L	0.002 ug/L	2.66	
WW-14	Down-gradient well	ug/L	0.002 ug/L	0.119	
WW-17	Down-gradient well	ug/L	0.002 ug/L		
SO-03	Manure - DeRuyter	ng/g	0.1 ng/g	0.7	2.1
SO-04	Application Fields - DeRuyter	ng/g	0.1 ng/g	0.6	
SO-05	Manure - D&A	ng/g	0.1 ng/g	17.7	3.1
SO-06	Application Fields - D & A	ng/g	0.1 ng/g	3	
SO-07	Manure - Cow Palace	ng/g	0.1 ng/g	2303	
SO-08	Application Fields - Cow Palace	ng/g	0.1 ng/g	13.5	

SO-09	Manure - Bosma	ng/g	0.1 ng/g		
SO-10	Application Fields - Bosma	ng/g	0.1 ng/g		
Abbreviations					
WW = Water Wells					
LG = Lagoons					
SO = Solids					
Units					
μ = micrograms per liter					
= micrograms per gram					

Lincomycin	Monesin	Oxytetracycline	Ractopamine	Sulfachloropyridazine	Sulfadimethoxine	Sulfamerazine
	0.109					
	0.023					
	0.499					
3.55(J)	430.2	1.24(J)	0.04(J)	1.21(J)	0.322(J)	0.068(J)
8.5 (J)	463.8(J)	4.49(J)		0.157(J)		
				0.095(J)		
	449.6(J)	0.929 (J)		0.254(J)		
	337.7(J)					
1.7(J)	2.24(J)		0.048(J)	0.043(J)	0.065(J)	
2.64(J)	85(J)		0.066(J)	0.156(J)	0.841(J)	0.064(J)
1.54(J)	135(J)		0.046(J)	0.172(J)	0.875(J)	
3.37(J)	662(J)		0.081(J)	0.032(J)	4.13(J)	
2.04(J)	498(J)		0.056(J)	0.160(J)	3.65(J)	
	426(J)		0.06(J)	0.658(J)	2.98(J)	0.028(J)
	0.033					
1.5	109	251				
	5.1	3.2				
	1329					
	5.1	3.3				
	283	134			6.8	
	7.9	2.4				

Sulfamethazole	Sulfamethazine	Sulfamethoxazole	Sulfathiazole	Tetracycline	Tiamulin	Tylosin	Virginiamycin
				0.051(J)			
				0.041(J)			0.023(J)
				5.17(J)			
	1.5(J)		0.137(J)	4.48(J)		1.7(J)	0.334(J)
	0.17(J)		0.829(J)	5.41(J)		10.22(J)	
				0.442(J)		0.184(J)	
	0.39(J)		0.872(J)	6.07(J)			
	2.07(J)			3.6(J)		1.07(J)	
0.114(J)	0.077(J)	0.133(J)	0.038(J)	6.55(J)			
	0.051(J)	0.269(J)	0.089(J)	1.76(J)			0.413(J)
	0.07(J)	0.264(J)	0.065(J)	1.91(J)			0.314(J)
	0.108(J)	0.148(J)	0.24(J)	10.3(J)	0.079(J)	0.139(J)	0.184(J)
	0.139(J)	0.031(J)	0.061(J)	8.6(J)			
1.27(J)	0.601(J)	0.037(J)	0.135(J)	7.55(J)	0.132(J)		1(J)
				0.038(J)		0.029	
							0.041
				0.049(J)			
				954		14.8	
	0.9			27.4		2.1	
	7.7			17.9			
				16.5			
	2			2484		21.1	
				104			

